If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the ESSHQ Procedures Coordinator, Bldg. 911A

C-A OPERATIONS PROCEDURES MANUAL

15.5.51 Leak Rate Meter Calibration

(Vacuum Group Procedure VA-008.18.1.51)

Note: This document was formerly a C-A Group Procedure. The content of the group procedure was reviewed by the Technical Supervisor. All approvals and/or issue dates of the original group procedure are maintained for present use.

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials

Approved: _____***Signature on File***_____ _____
Collider-Accelerator Department Chairman Date

S. Gill

Vacuum Group Procedure VA-008.18.1.51
Original Issue Date: 01/01/00
Revision 01

*****IMPORTANT*****

PRIOR TO THE PERFORMANCE OF ANY WORK WITHIN THE SCOPE OF THIS PROCEDURE, IT IS THE RESPONSIBILITY OF THE SUPERVISOR TO ENSURE THAT ***WORK PLANNING*** HAS BEEN REVIEWED FOR THE PROTECTION OF WORKERS, EQUIPMENT, AND THE ENVIRONMENT.

1. PURPOSE:

1.1 To provide an effective procedure for AGS Vacuum Technicians to effectively verify the accuracy of the calibrated leak rate meter.

2. RESPONSIBILITIES:

2.1 The AGS Vacuum Supervisor shall be responsible for the implementation of this procedure.

3. DISCUSSION:

3.1 This procedure is written so that trained AGS Vacuum Technicians will be able to successful y & efficiently verify whether a calibrated leak rate meter is accurate or not.

4. PRECAUTIONS:

4.1 LN_2 is extremely cold. Use caution when pouring.

5. PREREQUISITES:

5.1 The technician shall have been trained in this procedure.

5.2 Safety glasses must be worn while pouring LN_2.

6. OPERATIONAL PROCEDURE:

6.1 Using the calibrated leak meter that has been designated for calibration only, insert the meter into the leak detector port.

6.2 Observe all precautions listed in procedure 8.18.1.23 (Leak Detector Calibration & Operation). Follow the calibration procedure as described

6.3 Once the leak detector is calibrated, vent machine and insert the meter that must be calibrated.

6.4 Open the leak meter, allowing helium into the leak detector and determine the leakrate of the meter, according to the now calibrated leak detector.

7. ACCEPTANCE CRITERIA:

7.1 If the leak rate is within 10% of the printed value on the calibrated leak meter, you may certify its calibration.